

Material Safety Data Sheet

Material Name: Clarifoam EF

*** Section 1 - Chemical Product and Company Identification ***

Manufacturer Information

Collegium Pharmaceutical
400 Highland Corporate Drive
Cumberland, RI 02864
Emergency Number: 1-888-713-8154

*** Section 2 - Hazards Identification ***

Emergency Overview

The product may cause allergic or sensitivity reaction for individuals sensitive to one or more of the components.

Potential Health Effects: Eyes

May cause irritation and stinging or burning.

Potential Health Effects: Skin

Allergic or sensitivity reactions are possible, causing irritation or redness.

Potential Health Effects: Ingestion

Not a likely route of entry. If swallowed may cause gastrointestinal discomfort.

Potential Health Effects: Inhalation

May cause respiratory irritation in some sensitive individuals.

HMIS Ratings: Health: 0 Fire: 1 HMIS Reactivity 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component
7732-18-5	Water
811-97-2	1,1,1,2-Tetrafluoroethane
6209-17-2	Acetamide, N-[(4-aminophenyl)sulfonyl]-, monosodium salt, monohydrate
57-55-6	1,2-Propylene glycol
7704-34-9	Sulfur
Trade Secret	Emulsifying Wax
36653-82-4	Cetyl alcohol
9005-00-9	Polyoxyethylene monoctadecyl ether
99-76-3	Methyl p-hydroxybenzoate
94-13-3	Propyl-p-hydroxybenzoate
50-21-5	Lactic acid

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Remove contact lenses. Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.

First Aid: Skin

Immediately take off all contaminated clothing. Physically remove as much of product as possible and thoroughly wash the area with soap and water. If irritation persists, get medical attention.

First Aid: Ingestion

Do not induce vomiting unless directed to do so by medical personnel.

First Aid: Inhalation

None necessary.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

See Section 9 for Flammability Properties.
None identified.

Hazardous Combustion Products

Burning may produce toxic gases.

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Extinguishing Media

Use any media suitable for the surrounding fires.

Fire Fighting Equipment/Instructions

Fire fighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.

NFPA Ratings: Health: 0 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Contain the discharged material.

Clean-Up Procedures

Scoop material and place in a suitable container for disposal. Use soap and water to clean spill area.

Evacuation Procedures

None necessary.

Special Procedures

Wear appropriate personal protective equipment.

*** Section 7 - Handling and Storage ***

Handling Procedures

Avoid getting this material into contact with your eyes. Contents under pressure. Do not puncture or incinerate. Keep out of reach of children. Wash thoroughly after handling.

Storage Procedures

Controlled room temperature (59-86°F). Do not expose to temperatures above 120°F (49°C). Protect from freezing.

*** Section 8 - Exposure Controls / Personal Protection ***

A: Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Engineering Controls

Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses; chemical goggles (if splashing is possible).

Personal Protective Equipment: Skin

Wear chemical resistant gloves and other protective clothing (lab coat, apron, etc.) when cleaning a large spill.

Personal Protective Equipment: Respiratory

Respiratory protection; not normally required for ambient air concentrations not exceeding the Occupational Exposure Limit.

Personal Protective Equipment: General

None.

*** Section 9 - Physical & Chemical Properties ***

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Appearance:	Off-White to Pale Yellow	Odor:	Slight Sulfur Odor
Physical State:	Foam	pH:	6-8
Vapor Pressure:	ND	Vapor Density:	ND
Boiling Point:	N/A	Melting Point:	N/A
Solubility (H2O):	ND	Specific Gravity:	ND
Evaporation Rate:	ND	VOC:	ND
Octanol/H2O Coeff.:	ND	Flash Point:	ND
Flash Point Method:	ND	Upper Flammability Limit (UFL):	ND
Lower Flammability Limit (LFL):	ND	Burning Rate:	ND
Auto Ignition:	ND		

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

Stable under normal conditions.

Chemical Stability: Conditions to Avoid

Excessive heat.

Incompatibility

None known

Hazardous Decomposition

Burning may produce toxic gases.

Possibility of Hazardous Reactions

None identified.

*** Section 11 - Toxicological Information ***

Acute Dose Effects

A: General Product Information

None identified.

B: Component Analysis - LD₅₀/LC₅₀

Water (7732-18-5)

Oral LD₅₀ Rat: >90 mL/kg

1,1,1,2-Tetrafluoroethane (811-97-2)

Inhalation LC₅₀ Rat: 1500 g/ m³/4H

1,2-Propylene glycol (57-55-6)

Oral LD₅₀ Rat: 20000 mg/kg; Dermal LD₅₀ Rabbit: 20800 mg/kg

Sulfur (7704-34-9)

Inhalation LC₅₀ Rat: >6.23 mg/L/4H; Oral LD₅₀ Rat: >3000 mg/kg; Dermal LD₅₀ Rabbit: >2000 mg/kg

Cetyl alcohol (36653-82-4)

Oral LD₅₀ Rat: 5 g/kg; Dermal LD₅₀ Rabbit: >2600 mg/kg

Polyoxyethylene monooctadecyl ether (9005-00-9)

Oral LD₅₀ Rat: 2900 mg/kg

Methyl p-hydroxybenzoate (99-76-3)

Oral LD₅₀ Rat: 2100 mg/kg

Propyl-p-hydroxybenzoate (94-13-3)

Oral LD₅₀ Mouse: 6332 mg/kg

Lactic acid (50-21-5)

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Oral LD₅₀ Rat: 3543 mg/kg; Dermal LD₅₀ Rabbit:>2 g/kg

Carcinogenicity

Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No data available for this product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

1,2-Propylene glycol (57-55-6)

Test & Species	Conditions
96 Hr LC ₅₀ Oncorhynchus mykiss	51600 mg/L [static]
96 Hr LC ₅₀ Pimephales promelas	51400 mg/L [static]
96 Hr EC ₅₀ Selenastrum capricornutum	19000 mg/L
30 min EC ₅₀ Photobacterium phosphoreum	710 mg/L
48 Hr EC ₅₀ water flea	>10000 mg/L

Sulfur (7704-34-9)

Test & Species	Conditions
96 Hr LC ₅₀ Brachydanio rerio	866 mg/L [static]

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

No information available for the product.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

All wastes must be handled in accordance with local, state and federal regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Not Regulated

*** Section 15 - Regulatory Information ***

US Federal Regulations

Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

State Regulations

Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
1,1,1,2-Tetrafluoroethane	811-97-2	No	No	Yes	No	No	No
1,2-Propylene glycol	57-55-6	No	No	Yes	No	Yes	Yes

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Sulfur	7704-34-9	Yes	Yes	No	Yes	Yes	Yes
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Additional Regulatory Information

Component Analysis - Inventory

Component	CAS #	TSCA
Water	7732-18-5	Yes
1,1,1,2-Tetrafluoroethane	811-97-2	Yes
Acetamide, N-[(4-aminophenyl)sulfonyl]-, monosodium salt, monohydrate	6209-17-2	No
1,2-Propylene glycol	57-55-6	Yes
Sulfur	7704-34-9	Yes
Cetyl alcohol	36653-82-4	Yes
Polyoxyethylene monoctadecyl ether	9005-00-9	Yes
Methyl p-hydroxybenzoate	99-76-3	Yes
Propyl-p-hydroxybenzoate	94-13-3	Yes
Lactic acid	50-21-5	Yes

*** Section 16 - Other Information ***

Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.